

Title (en)

PROTECTIVE DEVICE FOR CYLINDER LOCK

Title (de)

SCHUTZVORRICHTUNG FÜR SCHLIESSZYLINDER

Title (fr)

DISPOSITIF DE PROTECTION POUR SERRURE À CYLINDRE

Publication

EP 3216949 B1 20190807 (EN)

Application

EP 15857688 A 20151021

Priority

- JP 2014226744 A 20141107
- JP 2015079729 W 20151021

Abstract (en)

[origin: EP3216949A1] A protective device for a cylinder lock is provided in which a shutter plate is supported on a casing having a mechanical key insertion hole for a mechanical key to be inserted into a cylinder lock, the shutter plate being covered by a case forming part of the casing and being capable of moving between a closed position in which the shutter plate closes the mechanical key insertion hole and an open position in which the mechanical key insertion hole is opened, wherein the casing (35) comprises a body (38) that is provided so as to be connected to a cylinder body of the cylinder lock, and the case (39), which is formed so as to cover the shutter plate (36) and is fixed to the body (38), and the case (39) comprises a case main part (29), made of a resin, and a protector (30), made of a metal, that has at least a flat plate portion (30a) formed into a flat plate shape so as to cover the shutter plate (36) and that is inserted and joined to the case main part (29). This enables the case to be lightened while ensuring the theft resistance.

IPC 8 full level

E05B 17/00 (2006.01); **B62H 5/06** (2006.01); **E05B 17/14** (2006.01); **E05B 17/18** (2006.01); **E05B 17/20** (2006.01); **E05B 27/00** (2006.01); **E05B 47/00** (2006.01); **E05B 77/44** (2014.01); **E05B 83/00** (2014.01); **E05B 85/02** (2014.01)

CPC (source: EP)

B62H 5/06 (2013.01); **E05B 17/142** (2013.01); **E05B 17/185** (2013.01); **E05B 17/2084** (2013.01); **E05B 27/0028** (2013.01); **E05B 47/0038** (2013.01); **E05B 47/0045** (2013.01)

Cited by

US2020299996A1; US11761233B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3216949 A1 20170913; **EP 3216949 A4 20180711**; **EP 3216949 B1 20190807**; BR 112017009403 A2 20171219; BR 112017009403 B1 20230207; CN 107075868 A 20170818; CN 107075868 B 20190705; JP 2016089527 A 20160523; JP 6348824 B2 20180627; WO 2016072268 A1 20160512

DOCDB simple family (application)

EP 15857688 A 20151021; BR 112017009403 A 20151021; CN 201580059983 A 20151021; JP 2014226744 A 20141107; JP 2015079729 W 20151021